

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/550,363
Source: IFWP
Date Processed by STIC: 1/16/07

ENTERED



IFWP

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/550,363

DATE: 01/16/2007

TIME: 14:33:23

Input Set : F:\Sequence Listing PB60024.ST25.txt
 Output Set: N:\CRF4\01162007\J550363.raw

3 <110> APPLICANT: Glaxo Group Limited
 5 <120> TITLE OF INVENTION: Anti-MAG Antibodies
 7 <130> FILE REFERENCE: PB60024
 9 <140> CURRENT APPLICATION NUMBER: 10/550,363
 C--> 10 <141> CURRENT FILING DATE: 2005-09-19
 12 <160> NUMBER OF SEQ ID NOS: 17
 14 <170> SOFTWARE: PatentIn version 3.3
 16 <210> SEQ ID NO: 1
 17 <211> LENGTH: 17
 18 <212> TYPE: PRT
 19 <213> ORGANISM: Artificial
 21 <220> FEATURE:
 22 <223> OTHER INFORMATION: Light chain Complementarity Determining Region according to
 Kabat
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 27 1 5 10 15
 30 Ala
 34 <210> SEQ ID NO: 2
 35 <211> LENGTH: 7
 36 <212> TYPE: PRT
 37 <213> ORGANISM: Artificial
 39 <220> FEATURE:
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 Kabat
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 44 Trp Ala Ser Thr Arg Glu Ser
 45 1 5
 48 <210> SEQ ID NO: 3
 49 <211> LENGTH: 8
 50 <212> TYPE: PRT
 51 <213> ORGANISM: Artificial
 53 <220> FEATURE:
 54 <223> OTHER INFORMATION: Light chain Complementarity Determining Region according to
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 56 <400> SEQUENCE: 3
 58 His Gln Tyr Leu Ser Ser Leu Thr
 59 1 5
 62 <210> SEQ ID NO: 4
 63 <211> LENGTH: 5
 64 <212> TYPE: PRT
 65 <213> ORGANISM: Artificial
 67 <220> FEATURE:
 68 <223> OTHER INFORMATION: Heavy chain Complementarity Determining Region according to

Kabat

70 <400> SEQUENCE: 4
72 Asn Tyr Gly Met Asn

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73 1 5
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 77 <211> LENGTH: 17
 78 <212> TYPE: PRT
 79 <213> ORGANISM: Artificial
 81 <220> FEATURE:
 82 <223> OTHER INFORMATION: Heavy chain Complementarity Determining Region according to Kabat
 84 <400> SEQUENCE: 5
 86 Trp Ile Asn Thr Tyr Thr Gly Glu Pro Thr Tyr Ala Asp Asp Phe Thr
 87 1 5 10 15
 90 Gly
 94 <210> SEQ ID NO: 6
 95 <211> LENGTH: 17
 96 <212> TYPE: PRT
 97 <213> ORGANISM: Artificial
 99 <220> FEATURE:
 100 <223> OTHER INFORMATION: Heavy chain Complementarity Determining Region according to Kabat
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 105 1 5 10 15
 108 Tyr
 112 <210> SEQ ID NO: 7
 113 <211> LENGTH: 475
 114 <212> TYPE: PRT
 115 <213> ORGANISM: Artificial
 117 <220> FEATURE:
 118 <223> OTHER INFORMATION: Mouse/human chimeric anti-MAG antibody heavy chain
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 122 Met Gly Trp Ser Cys Ile Ile Leu Phe Leu Val Ala Thr Ala Thr Gly
 123 1 5 10 15
 126 Val His Ser Glu Ile Gln Leu Val Gln Ser Gly Pro Glu Leu Lys Lys
 127 20 25 30
 130 Pro Gly Glu Thr Asn Lys Ile Ser Cys Lys Ala Ser Gly Tyr Thr Phe
 131 35 40 45
 134 Thr Asn Tyr Gly Met Asn Trp Val Lys Gln Ala Pro Gly Lys Gly Leu
 135 50 55 60
 138 Lys Trp Met Gly Trp Ile Asn Thr Tyr Thr Gly Glu Pro Thr Tyr Ala
 139 65 70 75 80
 142 Asp Asp Phe Thr Gly Arg Phe Ala Phe Ser Leu Glu Thr Ser Ala Ser
 143 85 90 95
 146 Thr Ala Tyr Leu Gln Ile Ser Asn Leu Lys Asn Glu Asp Thr Ala Thr
 147 100 105 110
 150 Tyr Phe Cys Ala Arg Asn Pro Ile Asn Tyr Tyr Gly Ile Asn Tyr Glu
 151 115 120 125
 154 Gly Tyr Val Met Asp Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser
 155 130 135 140
 158 Ser Ala Ser Thr Lys Gly Pro Ser Val Phe Pro Leu Ala Pro Ser Ser
 159 145 150 155 160
 162 Lys Ser Thr Ser Gly Gly Thr Ala Ala Leu Gly Cys Leu Val Lys Asp

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163	165	170	175
166	Tyr Phe Pro Glu Pro Val Thr Val Ser Trp Asn Ser Gly Ala Leu Thr		
167	180	185	190
170	Ser Gly Val His Thr Phe Pro Ala Val Leu Gln Ser Ser Gly Leu Tyr		
171	195	200	205
174	Ser Leu Ser Ser Val Val Thr Val Pro Ser Ser Ser Leu Gly Thr Gln		
175	210	215	220
178	Thr Tyr Ile Cys Asn Val Asn His Lys Pro Ser Asn Thr Lys Val Asp		
179	225	230	235
182	Lys Lys Val Glu Pro Lys Ser Cys Asp Lys Thr His Thr Cys Pro Pro		
183	245	250	255
186	Cys Pro Ala Pro Glu Leu Ala Gly Ala Pro Ser Val Phe Leu Phe Pro		
187	260	265	270
190	Pro Lys Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val Thr		
191	275	280	285
194	Cys Val Val Val Asp Val Ser His Glu Asp Pro Glu Val Lys Phe Asn		
195	290	295	300
198	Trp Tyr Val Asp Gly Val Glu Val His Asn Ala Lys Thr Lys Pro Arg		
199	305	310	315
202	Glu Glu Gln Tyr Asn Ser Thr Tyr Arg Val Val Ser Val Leu Thr Val		
203	325	330	335
206	Leu His Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser		
207	340	345	350
210	Asn Lys Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala Lys		
211	355	360	365
214	Gly Gln Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser Arg Asp		
215	370	375	380
218	Glu Leu Thr Lys Asn Gln Val Ser Leu Thr Cys Leu Val Lys Gly Phe		
219	385	390	395
222	Tyr Pro Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly Gln Pro Glu		
223	405	410	415
226	Asn Asn Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser Asp Gly Ser Phe		
227	420	425	430
230	Phe Leu Tyr Ser Lys Leu Thr Val Asp Lys Ser Arg Trp Gln Gln Gly		
231	435	440	445
234	Asn Val Phe Ser Cys Ser Val Met His Glu Ala Leu His Asn His Tyr		
235	450	455	460
238	Thr Gln Lys Ser Leu Ser Leu Ser Pro Gly Lys		
239	465	470	475
242	<210> SEQ ID NO: 8		
243	<211> LENGTH: 238		
244	<212> TYPE: PRT		
245	<213> ORGANISM: Artificial		
247	<220> FEATURE:		
248	<223> OTHER INFORMATION: Mouse/human chimeric anti-MAG antibody light chain		
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252	Met Gly Trp Ser Cys Ile Ile Leu Phe Leu Val Ala Thr Ala Thr Gly		
253	1	5	10
256	Val His Ser Asn Ile Met Met Thr Gln Ser Pro Ser Ser Leu Ala Val		15

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257          20          25          30
260 Ser Ala Gly Glu Lys Val Thr Met Ser Cys Lys Ser Ser His Ser Val
261          35          40          45
264 Leu Tyr Ser Ser Asn Gln Lys Asn Tyr Leu Ala Trp Tyr Gln Gln Lys
265          50          55          60
268 Pro Gly Gln Ser Pro Lys Leu Leu Ile Tyr Trp Ala Ser Thr Arg Glu
269          65          70          75          80
272 Ser Gly Val Pro Asp Arg Phe Thr Gly Ser Gly Ser Gly Thr Asp Phe
273          85          90          95
276 Thr Leu Thr Ile Ile Asn Val His Thr Glu Asp Leu Ala Val Tyr Tyr
277          100         105         110
280 Cys His Gln Tyr Leu Ser Ser Leu Thr Phe Gly Thr Gly Thr Lys Leu
281          115         120         125
284 Glu Ile Lys Arg Thr Val Ala Ala Pro Ser Val Phe Ile Phe Pro Pro
285          130         135         140
288 Ser Asp Glu Gln Leu Lys Ser Gly Thr Ala Ser Val Val Cys Leu Leu
289          145         150         155         160
292 Asn Asn Phe Tyr Pro Arg Glu Ala Lys Val Gln Trp Lys Val Asp Asn
293          165         170         175
296 Ala Leu Gln Ser Gly Asn Ser Gln Glu Ser Val Thr Glu Gln Asp Ser
297          180         185         190
300 Lys Asp Ser Thr Tyr Ser Leu Ser Ser Thr Leu Thr Leu Ser Lys Ala
301          195         200         205
304 Asp Tyr Glu Lys His Lys Val Tyr Ala Cys Glu Val Thr His Gln Gly
305          210         215         220
308 Leu Ser Ser Pro Val Thr Lys Ser Phe Asn Arg Gly Glu Cys
309          225         230         235
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313 <211> LENGTH: 475
314 <212> TYPE: PRT
315 <213> ORGANISM: Artificial
317 <220> FEATURE:
318 <223> OTHER INFORMATION: Mouse/human chimeric anti-MAG antibody heavy chain
320 <400> SEQUENCE: 9
322 Met Gly Trp Ser Cys Ile Ile Leu Phe Leu Val Ala Thr Ala Thr Gly
323          1           5           10          15
326 Val His Ser Glu Ile Gln Leu Val Gln Ser Gly Pro Glu Leu Lys Lys
327          20          25          30
330 Pro Gly Glu Thr Asn Lys Ile Ser Cys Lys Ala Ser Gly Tyr Thr Phe
331          35          40          45
334 Thr Asn Tyr Gly Met Asn Trp Val Lys Gln Ala Pro Gly Lys Leu
335          50          55          60
338 Lys Trp Met Gly Trp Ile Asn Thr Tyr Thr Gly Glu Pro Thr Tyr Ala
339          65          70          75          80
342 Asp Asp Phe Thr Gly Arg Phe Ala Phe Ser Leu Glu Thr Ser Ala Ser
343          85          90          95
346 Thr Ala Tyr Leu Gln Ile Ser Asn Leu Lys Asn Glu Asp Thr Ala Thr
347          100         105         110
350 Tyr Phe Cys Ala Arg Asn Pro Ile Asn Tyr Tyr Gly Ile Asn Tyr Glu

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351      115          120          125
354 Gly Tyr Val Met Asp Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser
355      130          135          140
358 Ser Ala Ser Thr Lys Gly Pro Ser Val Phe Pro Leu Ala Pro Ser Ser
359 145          150          155          160
362 Lys Ser Thr Ser Gly Gly Thr Ala Ala Leu Gly Cys Leu Val Lys Asp
363          165          170          175
366 Tyr Phe Pro Glu Pro Val Thr Val Ser Trp Asn Ser Gly Ala Leu Thr
367          180          185          190
370 Ser Gly Val His Thr Phe Pro Ala Val Leu Gln Ser Ser Gly Leu Tyr
371          195          200          205
374 Ser Leu Ser Ser Val Val Thr Val Pro Ser Ser Ser Leu Gly Thr Gln
375          210          215          220
378 Thr Tyr Ile Cys Asn Val Asn His Lys Pro Ser Asn Thr Lys Val Asp
379 225          230          235          240
382 Lys Lys Val Glu Pro Lys Ser Cys Asp Lys Thr His Thr Cys Pro Pro
383          245          250          255
386 Cys Pro Ala Pro Glu Leu Leu Gly Gly Pro Ser Val Phe Leu Phe Pro
387          260          265          270
390 Pro Lys Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val Thr
391          275          280          285
394 Cys Val Val Val Asp Val Ser His Glu Asp Pro Glu Val Lys Phe Asn
395          290          295          300
398 Trp Tyr Val Asp Gly Val Glu Val His Asn Ala Lys Thr Lys Pro Arg
399 305          310          315          320
402 Glu Glu Gln Tyr Asn Ser Thr Tyr Arg Val Val Ser Val Leu Thr Val
403          325          330          335
406 Leu His Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser
407          340          345          350
410 Asn Lys Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala Lys
411          355          360          365
414 Gly Gln Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser Arg Asp
415          370          375          380
418 Glu Leu Thr Lys Asn Gln Val Ser Leu Thr Cys Leu Val Lys Gly Phe
419 385          390          395          400
422 Tyr Pro Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly Gln Pro Glu
423          405          410          415
426 Asn Asn Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser Asp Gly Ser Phe
427          420          425          430
430 Phe Leu Tyr Ser Lys Leu Thr Val Asp Lys Ser Arg Trp Gln Gln Gly
431          435          440          445
434 Asn Val Phe Ser Cys Ser Val Met His Glu Ala Leu His Asn His Tyr
435          450          455          460
438 Thr Gln Lys Ser Leu Ser Leu Ser Pro Gly Lys
439 465          470          475
442 <210> SEQ ID NO: 10
443 <211> LENGTH: 126
444 <212> TYPE: PRT
445 <213> ORGANISM: Artificial

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RAW SEQUENCE LISTING ERROR SUMMARY DATE: 01/16/2007
PATENT APPLICATION: US/10/550,363 TIME: 14:33:24

Input Set : F:\Sequence Listing PB60024.ST25.txt
Output Set: N:\CRF4\01162007\J550363.raw

Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete,
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17

VERIFICATION SUMMARY

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TIME: 14:33:24

Input Set : F:\Sequence Listing PB60024.ST25.txt
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L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date